



## Windmill / Reynolds Barn ACTIVITY SHEET

# WINDMILL/ REYNOLDS BARN

A great way to save energy and help the earth is to make a windmill to create natural energy! A windmill is driven by the wind to generate energy, which is stored for later use. A windmill is able to generate lots of energy without any natural pollution. Grab an adult and follow the instructions below to create a miniature version-a pinwheel!

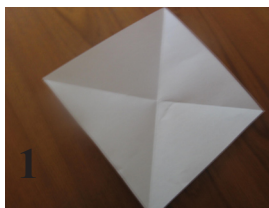
### Materials Needed:

Paper

Scissors

Straight pins

Pencil with eraser



### Instructions:

1. Cut out a 20 cm (7.9 inch) square of paper, and fold it in diagonally.

2. Crease the fold and unfold the paper. Fold it in half other way, and crease this fold.

3. From the center of your paper (point where all creases meet), measure 4 cm (1.75 in) out from the edge on each of the 4 lines created.

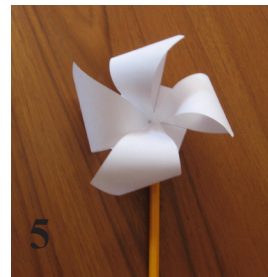
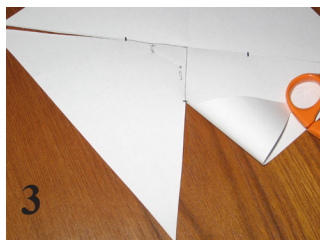
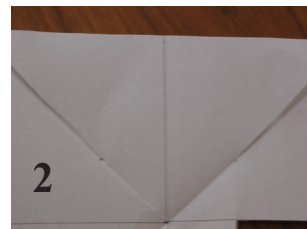
4. Cut from the outer edges to the 4 cm mark.

5. Cut each of the 4 triangles created in half, so there are now 8 triangles.

6. Cut out completely every other triangle, but only to the 4 cm mark.

7. Fold each corner piece into the center and push the pin through the edges and into the eraser of a pencil.

8. Take your completed windmill outside and see it move! Just like a real windmill, your pinwheel's speed will increase or decrease based on how strong the wind is. That's why wind turbines are usually put in open fields, where there aren't any buildings to block the wind!



**For an extra colorful windmill, use colored paper or make designs on your paper!**

*\*Activity modified from 4-H's Youth Guide: The Power of the Wind*